

## ABSTRACT

A high level compression system for improving data transmission efficiency. In the case of transmitting data in which a characteristic curve is very important to a remote site, a predetermined number of the data are collected at a transmitting site so as to dummy-picture the data. The dummy pictured data is highly compressed by a picture compression treatment. The compressed dummy-pictured data is transmitted to a receiving site. At the receiving site, the received compressed dummy pictured data is recovered to the dummy pictured data. The dummy pictured data is divided into the predetermined number of the original data so that the original data can be reproduced.